AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

- 1. (original) A graphite-containing heat-resistant cast iron comprising 3.5-5.6% of Si and 1.2-15% of W on a weight basis, and having intermediate layers, in which W and Si are concentrated, in the boundaries of graphite particles and a matrix.
- 2. (original): The heat-resistant cast iron according to claim 1, wherein a ratio (Xi/Xm) of the weight ratio Xi of W in said intermediate layers to the weight ratio Xm of W in said matrix is 5 or more.
- 3. (currently amended): The heat-resistant cast iron according to elaim 1 or 2claim 1, wherein a ratio (Yi/Ym) of the weight ratio Yi of Si in said intermediate layers to the weight ratio Ym of Si in said matrix is 1.5 or more.
- 4. (currently amended): The heat-resistant cast iron according to any one of claims 1-3claim 1, having a composition comprising, on a weight basis, 1.5-4.5% of C, 3.5-5.6% of Si, 3% or less of Mn, 1.2-15% of W, less than 0.5% of Ni, 0.3% or less of Cr, and 1.0% or less of a graphite-spheroidizing element, the balance being substantially Fe and inevitable impurities.
- 5. (currently amended): The heat-resistant cast iron according to any one of claims 1-4claim 1, further comprising 0.003-0.02% by weight of S and 0.05% or less by weight of a rare earth element.
- 6. (currently amended): The heat-resistant cast iron according to any one of claims 1-5claim 1, comprising 0.005-0.2% by weight of Mg as a graphite-spheroidizing element.

- 7. (currently amended): The heat-resistant cast iron according to any one of claims 1-6claim 1, wherein it meets $Si + (2/7) W \le 8$ on a weight basis.
- 8. (currently amended): The heat-resistant cast iron according to any one of claims 1-7claim 1, further comprising 5.5% or less by weight of Mo.
- 9. (currently amended): The heat-resistant cast iron according to any one of claims 1-8claim 1, further comprising 6.5% or less by weight of Cu.
- 10. (currently amended): The heat-resistant cast iron according to any one of claims 1-9claim 1, further comprising 5% or less by weight of Co.
- 11. (currently amended): The heat-resistant cast iron according to any one of claims 1—10claim 1, further comprising 1.0% or less by weight of Nb and/or 0.05% or less by weight of B.
- 12. (currently amended): The heat-resistant cast iron according to any one of claims 1-11claim 1, wherein the number of graphite particles having W-containing carbide particles in the boundaries with said matrix is 75% or more of the total number of graphite particles.
- 13. (currently amended): The heat-resistant cast iron according to any one of claims 112claim 1, wherein with respect to W-containing carbide particles on the surface of graphite
 particles exposed by etching, their number is 3 x 10⁵/mm² or more per a unit area of graphite,
 and/or their area ratio is 1.8% or more.
- 14. (currently amended): The heat-resistant cast iron according to any one of claims 1
 13claim 1, wherein its A_{C1} transformation point is 840°C or higher when measured from 30°C at a temperature-elevating speed of 3°C/minute.

- 15. (currently amended): The heat-resistant cast iron according to any one of claims 1-14, wherein its weight loss by oxidation is 60 mg/cm² or less when kept at 800°C for 200 hours in the air.
- 16. (currently amended): The heat-resistant cast iron according to any one of claims 1-15claim 1, wherein its thermal cracking life is 780 cycles or more in a thermal fatigue test, in which heating and cooling are conducted under the conditions of an upper-limit temperature of 840°C, a temperature amplitude of 690°C and a constraint ratio of 0.25.
- 17. (currently amended): An exhaust equipment member made of the heat-resistant cast iron recited in any one of claims 1–16claim 1.
- 18. (original): The exhaust equipment member according to claim 17, wherein it is an exhaust manifold, a turbocharger housing, an exhaust manifold integral with a turbocharger housing, a catalyst case, an exhaust manifold integral with a catalyst case, or an exhaust outlet.
- 19. (original): An exhaust equipment member used at temperatures exceeding 800° C, which is formed by a heat-resistant cast iron having a composition comprising, on a weight basis, 1.5-4.5% of C, 3.5-5.6% of Si, 3% or less of Mn, 1.2-15% of W, less than 0.5% of Ni, 0.3% or less of Cr, and 1.0% or less of a graphite-spheroidizing element, Si + (2/7) W ≤ 8 , and the balance being substantially Fe and inevitable impurities, said heat-resistant cast iron having a structure comprising a matrix based on a ferrite phase in an as-cast state, in which graphite is crystallized, and intermediate layers, in which W and Si are concentrated, in the boundaries of said graphite particles and said matrix, whereby it has an A_{C1} transformation point of 840° C or higher when measured from 30° C at a temperature-elevating speed of 3° C/minute, and a thermal cracking life of 780 cycles or more in a thermal fatigue test, in which heating and cooling are

conducted under the conditions of an upper-limit temperature of 840°C, a temperature amplitude of 690°C and a constraint ratio of 0.25.

- 20. (original): The exhaust equipment member according to claim 19, wherein a ratio (Xi/Xm) of the weight ratio Xi of W in said intermediate layers to the weight ratio Xm of W in said matrix is 5 or more.
- 21. (original): The exhaust equipment member according to claim 20, wherein said Xi/Xm is 10 or more.
- 22. (currently amended): The exhaust equipment member according to any one of elaims 19-21 claim 1, wherein a ratio (Yi/Ym) of the weight ratio Yi of Si in said intermediate layers to the weight ratio Ym of Si in said matrix is 1.5 or more.
- 23. (original): The exhaust equipment member according to claim 22, wherein said Yi/Ym is 2.0 or more.
- 24. (currently amended): The exhaust equipment member according to any one of elaims 19-23 claim 19, wherein its weight loss by oxidation is 60 mg/cm² or less when kept at 800°C for 200 hours in the air.
- 25. (currently amended): The exhaust equipment member according to any one of elaims 19-24 claim 19, wherein said heat-resistant cast iron has a composition comprising, on a weight basis, 1.8-4.2% of C, 3.8-5.3% of Si, 1.5% or less of Mn, 1.5-10% of W, 0.3% or less of Ni, 0.3% or less of Cr, and 0.01-0.2% of a graphite-spheroidizing element, Si + (2/7) W \leq 8, and the balance being substantially Fe and inevitable impurities.